

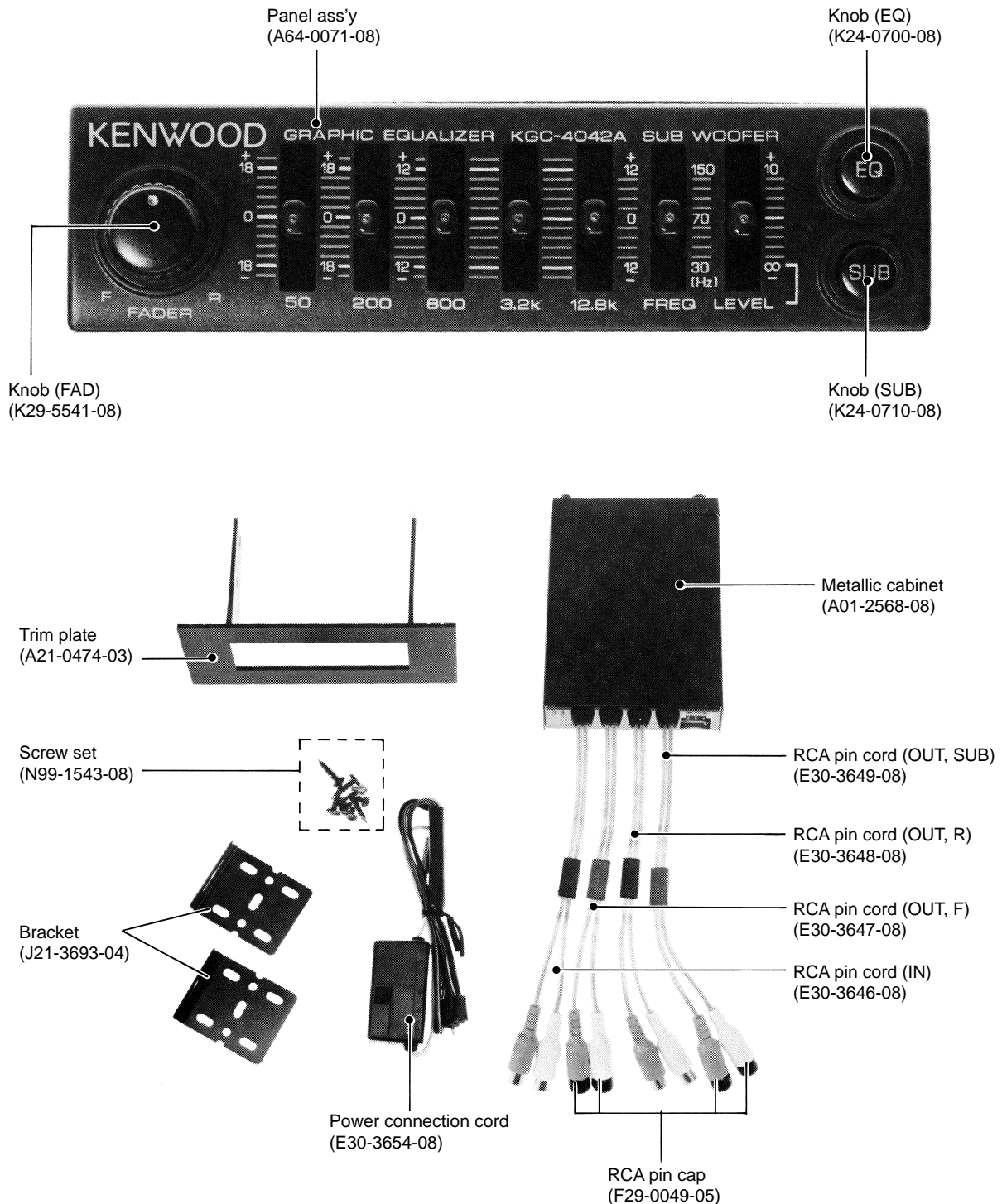
KGC-4042A

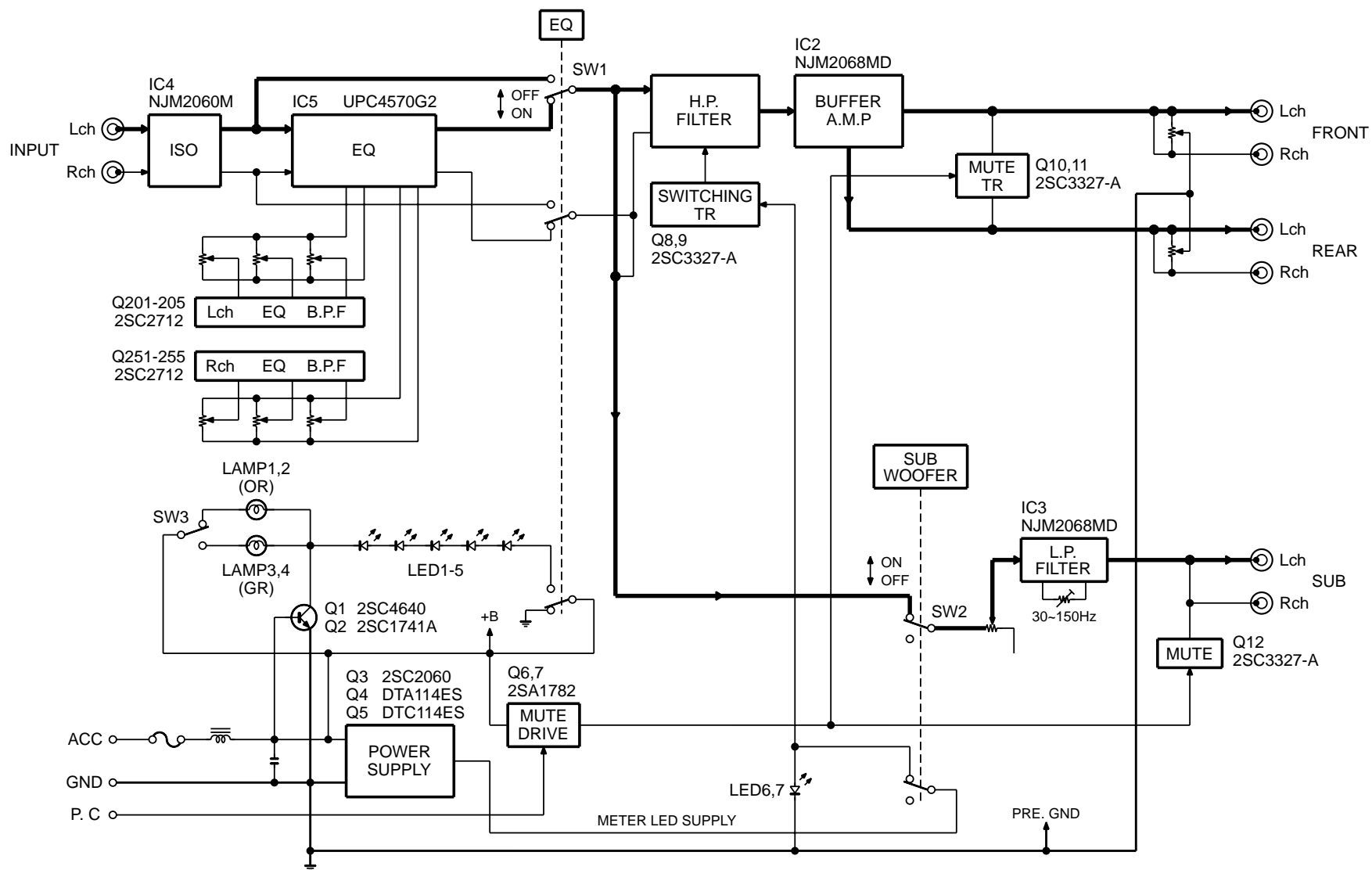
SERVICE MANUAL

KENWOOD

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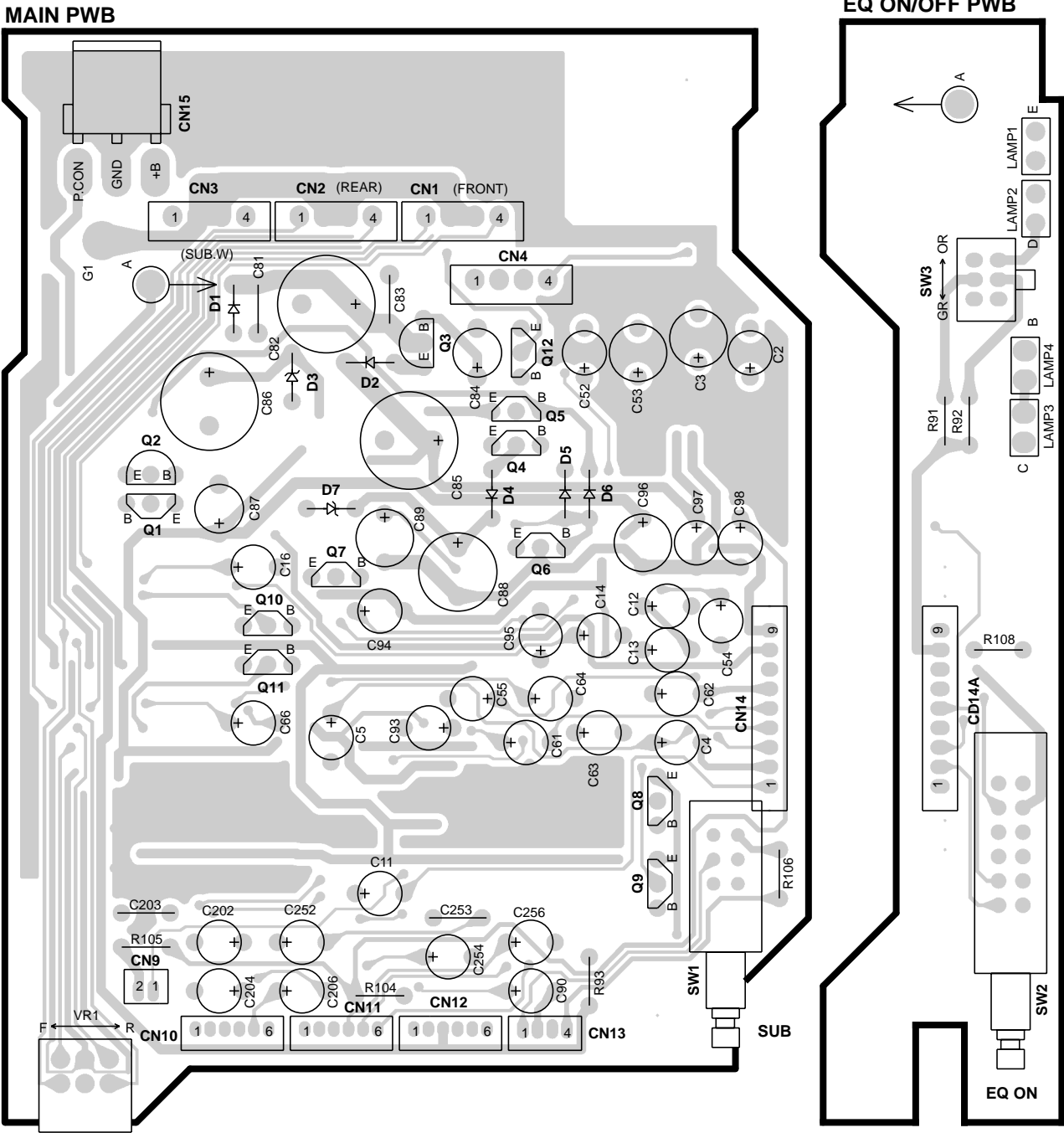


BLOCK DIAGRAM

KGC-4042A

PC BOARD (Component side view)

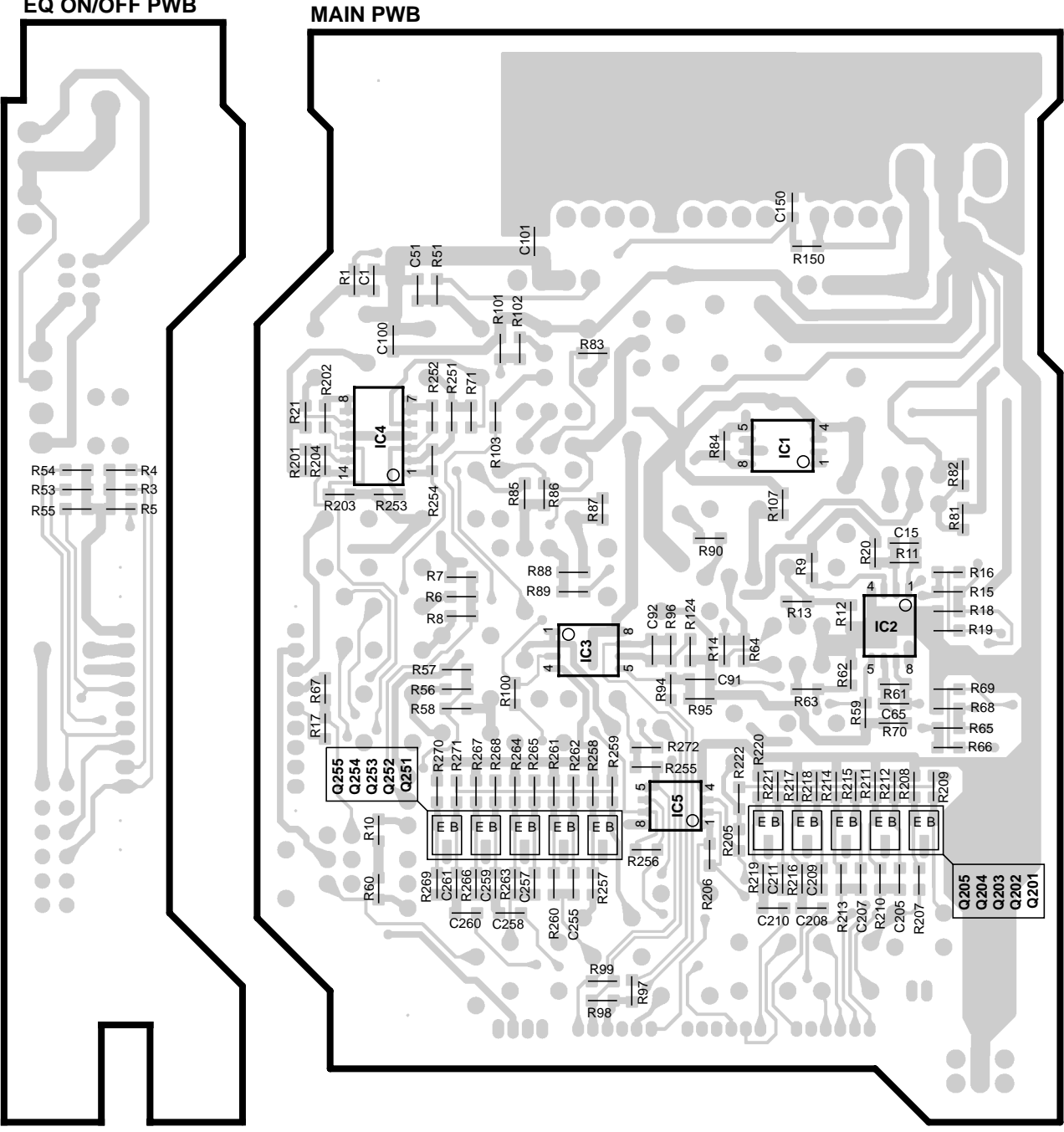
ELECTRIC UNIT



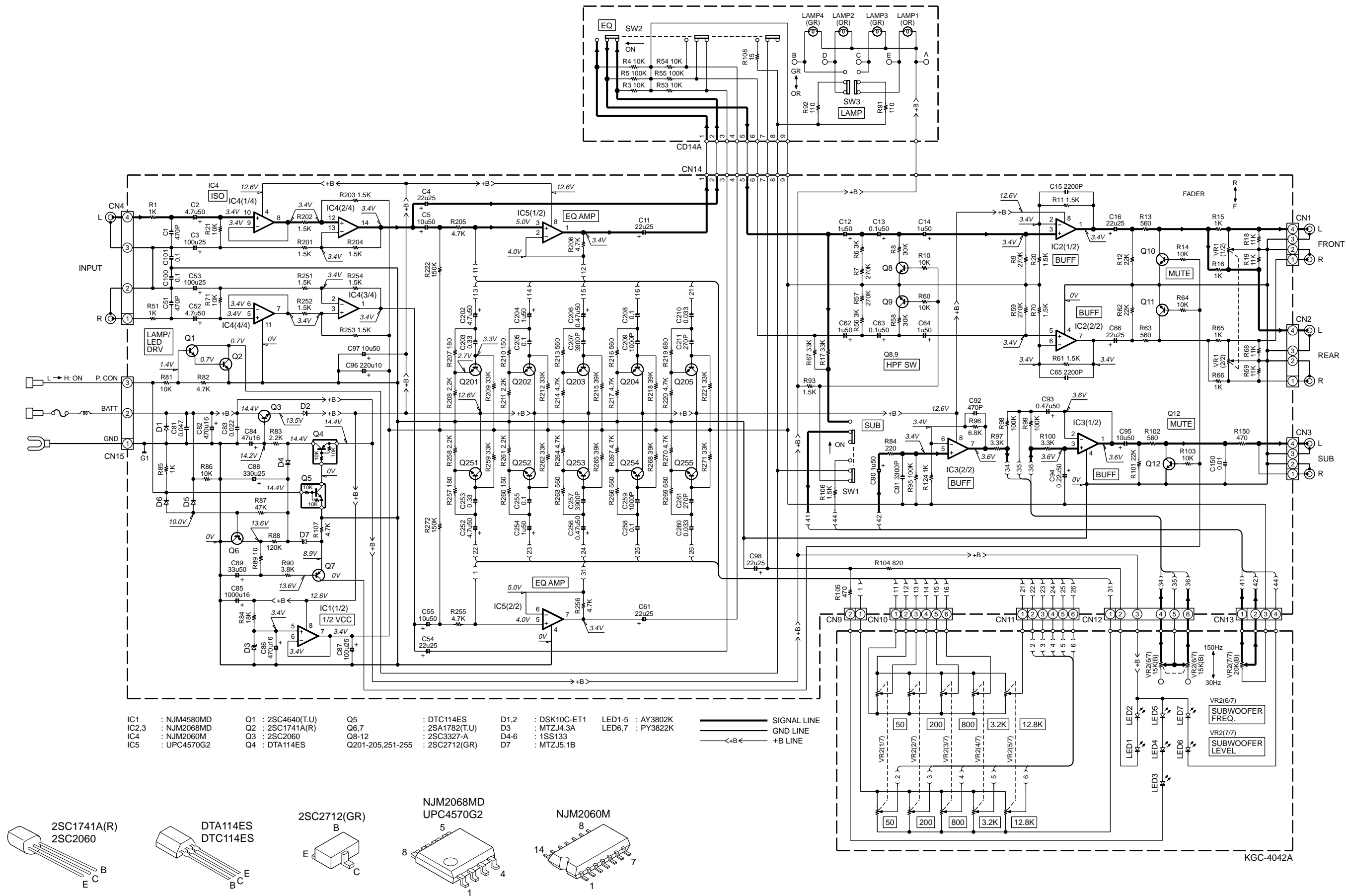
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil side view)

ELECTRIC UNIT



Refer to the schematic diagram for the values of resistors and capacitors.

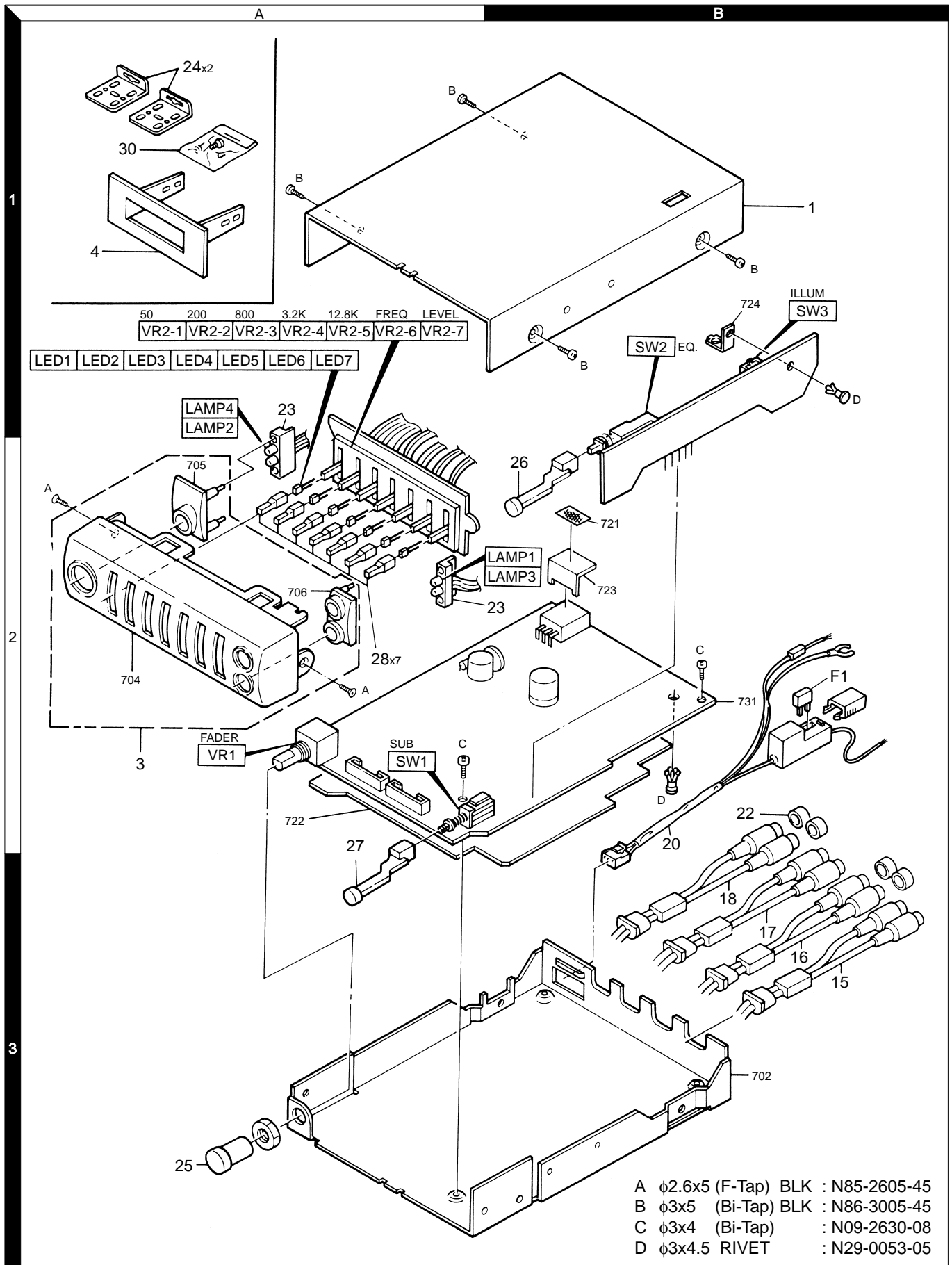


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

•DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KGC-4042A
KENWOOD

EXPLODED VIEW



Parts with exploded view numbers larger than 700 are not supplied.

PARTS LIST

*New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
KGC-4042A					
1	1B		A01-2568-08	METALLIC CABINET	
3	2A		A64-0071-08	PANEL ASSY	
4	1A		A21-0474-03	DRESSING PANEL	
-			B46-0100-50	WARRANTY CARD	
-			B64-0229-00	INSTRUCTION MANUAL	
15	3B		E30-3646-08	CORD WITH PLUG (IN)	
16	3B		E30-3647-08	CORD WITH PLUG (OUT-F)	
17	3B		E30-3648-08	CORD WITH PLUG (OUT-R)	
18	3B		E30-3649-08	CORD WITH PLUG (OUT-SUB)	
20	2B		E30-3654-08	DC CORD	
22	2B		F29-0049-05	INSULATING COVER	
F1	2B		F06-3026-05	FUSE (3A)	
-			H01-9463-08	ITEM CARTON CASE	
-			H10-4326-08	POLYSTYRENE FOAMED FIXTURE	
-			H11-1502-08	POLYSTYRENE FOAMED BOARD	
-			H25-0233-04	PROTECTION BAG (50X100)	
-			H25-1101-04	PROTECTION BAG (150X500)	
-			H25-1642-04	PROTECTION BAG (200X300)	
23	2A		J19-4495-08	LAMP HOLDER	
24	1A		J21-3693-04	L TYPE HARDWARE FIXTURE	
25	3A		K29-5541-08	KNOB (FADER)	
26	2B		K24-0700-08	KNOB (EQ)	
27	2A		K24-0710-08	KNOB (SUB)	
28	2A		K29-3501-08	KNOB ASS'Y (GE)	
30	1A		N99-1543-08	SCREW SET	
A	2A		N85-2605-45	FLAT HEAD TAPTITE SCREW	
B	1A		N86-3005-45	BINDING HEAD TAPTITE SCREW	
C	2B		N09-2630-08	TAPTITE SCREW	
D	2B		N29-0053-05	PUSH RIVET	
ELECTRIC UNIT					
LAMP1,2	2B		B30-1396-08	LAMP ASS'Y	
LAMP3,4	2B		B30-1397-08	LAMP ASS'Y	
LED1 -5	1A		AY3802K	LED	
LED6 ,7	1A		PY3822K	LED	
C1			CC73FCH1H471J	CHIP C 470PF J	
C2			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C3			CE04DW1A101M	ELECTRO 100UF 10WV	
C4			CE04NW1E220M	ELECTRO 22UF 25WV	
C5			CE04DW1H100M	ELECTRO 10UF 50WV	
C11			CE04NW1E220M	ELECTRO 22UF 25WV	
C12			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C13			CE04NW1H0R1M	ELECTRO 0.1UF 50WV	
C14			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C15			CK73FB1H222K	CHIP C 2200PF K	
C16			CE04NW1E220M	ELECTRO 22UF 25WV	
C51			CC73FCH1H471J	CHIP C 470PF J	
C52			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C53			CE04DW1A101M	ELECTRO 100UF 10WV	
C54			CE04NW1E220M	ELECTRO 22UF 25WV	
C55			CE04DW1H100M	ELECTRO 10UF 50WV	
C61			CE04NW1E220M	ELECTRO 22UF 25WV	

Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
C62			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C63			CE04NW1H0R1M	ELECTRO 0.1UF 50WV	
C64			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C65			CK73FB1H222K	CHIP C 2200PF K	
C66			CE04NW1E220M	ELECTRO 22UF 25WV	
C81			CF92FV1H473J	MF-C 0.047UF J	
C82			CE04DW1C471M	ELECTRO 470UF 16WV	
C83			CK45FF1H223Z	CERAMIC 0.022UF Z	
C84			CE04NW1C470M	ELECTRO 47UF 16WV	
C85			C90-5249-08	ELECTRO 1000UF 16WV	
C86			CE04DW1C471M	ELECTRO 470UF 16WV	
C87			CE04DW1A101M	ELECTRO 100UF 10WV	
C88			CE04DW1C331M	ELECTRO 330UF 16WV	
C89			CE04DW1V330M	ELECTRO 33UF 35WV	
C90			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C91			CK73FB1H332K	CHIP C 3300PF K	
C92			CC73FCH1H471J	CHIP C 470PF J	
C93			CE04DW1HR47M	ELECTRO 0.47UF 50WV	
C94			CE04NW1HR22M	ELECTRO 0.22UF 50WV	
C95			CE04DW1H100M	ELECTRO 10UF 50WV	
C96			CE04DW1A221M	ELECTRO 220UF 10WV	
C97			CE04DW1H100M	ELECTRO 10UF 50WV	
C98			CE04NW1E220M	ELECTRO 22UF 25WV	
C100			CK73FB1H104K	CHIP C 0.10UF K	
C101			CK73FB1H104K	CHIP C 0.10UF K	
C150			CK73FB1H103K	CHIP C 0.010UF K	
C202			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C203			CF92FV1H334J	MF-C 0.33UF J	
C204			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C205			CK73FB1H104K	CHIP C 0.10UF K	
C206			CE04DW1HR47M	ELECTRO 0.47UF 50WV	
C207			CK73FB1H392K	CHIP C 3900PF K	
C208			CK73FB1H104K	CHIP C 0.10UF K	
C209			CK73FB1H102K	CHIP C 1000PF K	
C210			CK73FB1H333K	CHIP C 0.033UF K	
C211			CC73FCH1H271J	CHIP C 270PF J	
C252			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C253			CF92FV1H334J	MF-C 0.33UF J	
C254			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C255			CK73FB1H104K	CHIP C 0.10UF K	
C256			CE04DW1HR47M	ELECTRO 0.47UF 50WV	
C257			CK73FB1H392K	CHIP C 3900PF K	
C258			CK73FB1H104K	CHIP C 0.10UF K	
C259			CK73FB1H102K	CHIP C 1000PF K	
C260			CK73FB1H333K	CHIP C 0.033UF K	
C261			CC73FCH1H271J	CHIP C 270PF J	
CN1 -4			E40-3239-05	PIN ASS'Y	
CN9	*		E39-0459-08	WIRING HARNESS	
CN9	*		E41-0009-05	PIN ASS'Y	
CN10	*		E39-0456-08	WIRING HARNESS	
CN10	*		E41-0223-08	PIN ASS'Y	
CN11	*		E39-0456-08	WIRING HARNESS	
CN11	*		E41-0223-08	PIN ASS'Y	
CN12	*		E39-0456-08	WIRING HARNESS	

PARTS LIST


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Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
CN12		*	E41-0223-08	PIN ASS'Y	
CN13		*	E39-0458-08	WIRING HARNESS	
CN13		*	E41-0090-05	PIN ASS'Y	
CN14		*	E39-0457-08	WIRING HARNESS	
CN15			E40-3677-05	SOCKET FOR PIN ASS'Y	
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R3 ,4			RK73FB2A103J	CHIP R 10K J 1/10W	
R5			RK73FB2A104J	CHIP R 100K J 1/10W	
R6			RK73FB2A302J	CHIP R 3.0K J 1/10W	
R7			RK73FB2A274J	CHIP R 270K J 1/10W	
R8			RK73FB2A303J	CHIP R 30K J 1/10W	
R9			RK73FB2A274J	CHIP R 270K J 1/10W	
R10			RK73FB2A103J	CHIP R 10K J 1/10W	
R11			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R12			RK73FB2A223J	CHIP R 22K J 1/10W	
R13			RK73FB2A561J	CHIP R 560 J 1/10W	
R14			RK73FB2A103J	CHIP R 10K J 1/10W	
R15 ,16			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R17			RK73FB2A333J	CHIP R 33K J 1/10W	
R18 ,19			RK73FB2A113J	CHIP R 11K J 1/10W	
R20			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R21			RK73FB2A103J	CHIP R 10K J 1/10W	
R51			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R53 ,54			RK73FB2A103J	CHIP R 10K J 1/10W	
R55			RK73FB2A104J	CHIP R 100K J 1/10W	
R56			RK73FB2A302J	CHIP R 3.0K J 1/10W	
R57			RK73FB2A274J	CHIP R 270K J 1/10W	
R58			RK73FB2A303J	CHIP R 30K J 1/10W	
R59			RK73FB2A274J	CHIP R 270K J 1/10W	
R60			RK73FB2A103J	CHIP R 10K J 1/10W	
R61			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R62			RK73FB2A223J	CHIP R 22K J 1/10W	
R63			RK73FB2A561J	CHIP R 560 J 1/10W	
R64			RK73FB2A103J	CHIP R 10K J 1/10W	
R65 ,66			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R67			RK73FB2A333J	CHIP R 33K J 1/10W	
R68 ,69			RK73FB2A113J	CHIP R 11K J 1/10W	
R70			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R71			RK73FB2A103J	CHIP R 10K J 1/10W	
R81			RK73FB2A103J	CHIP R 10K J 1/10W	
R82			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R83			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R84			RK73FB2A183J	CHIP R 18K J 1/10W	
R85			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R86			RK73FB2A103J	CHIP R 10K J 1/10W	
R87			RK73FB2A473J	CHIP R 47K J 1/10W	
R88			RK73FB2A124J	CHIP R 120K J 1/10W	
R89			RK73FB2A100J	CHIP R 10 J 1/10W	
R90			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R91 ,92			RD14BB2C111J	RD 110 J 1/6W	
R93			RD14BB2C152J	RD 1.5K J 1/6W	
R94			RK73FB2A221J	CHIP R 220 J 1/10W	
R95			RK73FB2A104J	CHIP R 100K J 1/10W	
R96			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R97			RK73FB2A332J	CHIP R 3.3K J 1/10W	

Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
R98 ,99			RK73FB2A104J	CHIP R 100K J 1/10W	
R100			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R101			RK73FB2A223J	CHIP R 22K J 1/10W	
R102			RK73FB2A561J	CHIP R 560 J 1/10W	
R103			RK73FB2A103J	CHIP R 10K J 1/10W	
R104			RD14BB2C621J	RD 620 J 1/6W	
R105			RD14BB2C471J	RD 470 J 1/6W	
R106			RD14BB2C152J	RD 1.5K J 1/6W	
R107			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R108			RD14BB2C150J	RD 15 J 1/6W	
R124			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R150			RK73FB2A471J	CHIP R 470 J 1/10W	
R201-204			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R205,206			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R207			RK73FB2A181J	CHIP R 180 J 1/10W	
R208			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R209			RK73FB2A333J	CHIP R 33K J 1/10W	
R210			RK73FB2A151J	CHIP R 150 J 1/10W	
R211			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R212			RK73FB2A333J	CHIP R 33K J 1/10W	
R213			RK73FB2A561J	CHIP R 560 J 1/10W	
R214			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R215			RK73FB2A393J	CHIP R 39K J 1/10W	
R216			RK73FB2A561J	CHIP R 560 J 1/10W	
R217			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R218			RK73FB2A393J	CHIP R 39K J 1/10W	
R219			RK73FB2A681J	CHIP R 680 J 1/10W	
R220			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R221			RK73FB2A333J	CHIP R 33K J 1/10W	
R222			RK73FB2A154J	CHIP R 150K J 1/10W	
R251-254			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R255,256			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R257			RK73FB2A181J	CHIP R 180 J 1/10W	
R258			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R259			RK73FB2A333J	CHIP R 33K J 1/10W	
R260			RK73FB2A151J	CHIP R 150 J 1/10W	
R261			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R262			RK73FB2A333J	CHIP R 33K J 1/10W	
R263			RK73FB2A561J	CHIP R 560 J 1/10W	
R264			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R265			RK73FB2A393J	CHIP R 39K J 1/10W	
R266			RK73FB2A561J	CHIP R 560 J 1/10W	
R267			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R268			RK73FB2A393J	CHIP R 39K J 1/10W	
R269			RK73FB2A681J	CHIP R 680 J 1/10W	
R270			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R271			RK73FB2A333J	CHIP R 33K J 1/10W	
R272			RK73FB2A154J	CHIP R 150K J 1/10W	
VR1			R10-3637-08	VARIABLE RESISTOR	
VR2			R29-1612-08	VARIABLE RESISTOR(1-7)	
SW1			S40-2340-08	PUSH SWITCH	
SW2			S40-4065-08	PUSH SWITCH	
SW3			S62-0822-08	SLIDE SWITCH	

E: Europe K:North America M: Other Areas
W: Without Europe

 indicates safety critical components.


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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
D1 ,2			DSK10C-ET1	DIODE	
D3			MTZJ4.3A	ZENER DIODE	
D4 -6			1SS133	DIODE	
D7			MTZJ5.1B	ZENER DIODE	
IC1			NJM4580MD	IC	
IC2 ,3			NJM2068MD	IC(OP AMP)	
IC4			NJM2060M	ANALOGUE IC	
IC5			UPC4570G2	ANALOGUE IC	
Q1			2SC4640(T,U)	TRANSISTOR	

E: Europe K:North America M: Other Areas
W: Without Europe

Ref. No.	A d d	N e w	Parts No.	Description	Des- tina- tion
Q2			2SC1741A(R)	TRANSISTOR	
Q3			2SC2060	TRANSISTOR	
Q4			DTA114ES	TRANSISTOR	
Q5			DTC114ES	TRANSISTOR	
Q6 ,7			2SA1782(T,U)	TRANSISTOR	
Q8 -12			2SC3327-A	TRANSISTOR	
Q201-205			2SC2712(GR)	TRANSISTOR	
Q251-255			2SC2712(GR)	TRANSISTOR	

 indicates safety critical components.

SPECIFICATIONS

Specifications subject to change without notice.

Equalizer Section

Equalizer Center Frequency 50Hz, 200Hz, 800Hz,
3.2kHz, 12.8kHz
Equalization Range -18~+18dB (500Hz, 200Hz)
-12~+12dB (800Hz, 3.2kHz, 12.8kHz)
Sub-woofer Cut-off Frequency 30~150Hz (variable)
Sub-woofer Output Gain -∞~+10dB
Sub-woofer Cut-off Slope 12dB/oct

Audio Section

Input Impedance 10kΩ
Output Impedance 600Ω
Signal to Noise Ratio 100dB
T.H.D. 0.01%
Frequency Response (-3dB) 10Hz~60kHz
Gain 0dB

General

Operating Voltage 14.4V (11~16V)
Current Consumption (MAX) 0.18A
Dimensions (WxHxD) 89×25×130 mm (3-1/2×1×5-1/8 in)
Weight 0.4 kg (0.9 lb)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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